

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An infrared imaging device, comprising:
an infrared detector;
an optical system for causing an infrared radiation from an object to form an image on the infrared detector;
shutting means configured so that the shutting means can be opened/closed and so as to shut off an infrared radiation coming into the optical system when the shutting means is closed; and
correction means for correcting an output of the infrared detector,
wherein the correction means determines a second correction coefficient for correcting variations in a DC offset among pixels and fluctuations in an amount of infrared radiation from the optical system by using an output of the infrared detector imaging the shutting means while the shutting means is closed and the optical system is set to a non-focused state and a first correction coefficient proportional to a sensitivity of each pixel of the infrared detector and shading.
2. (cancelled)

3. (currently amended) ~~The infrared imaging device of claim 1,~~ An infrared imaging device, comprising:

an infrared detector;

an optical system for causing an infrared radiation from an object to form an image on the infrared detector;

shutting means configured so that the shutting means can be opened/closed and so as to shut off an infrared radiation coming into the optical system when the shutting means is closed; and

correction means for correcting an output of the infrared detector,

wherein the correction means determines a second correction coefficient for correcting variations in a DC offset among pixels and fluctuations in an amount of infrared radiation from the optical system by using an output of the infrared detector imaging the shutting means while the shutting means is closed and a first correction coefficient proportional to a sensitivity of each pixel of the infrared detector and shading
wherein:

the infrared imaging device comprises second shutting means configured so that the second shutting means can be opened/closed and so as to shut off an infrared radiation coming into the optical system when the second shutting means is closed; and

the correction means determines the first correction coefficient by using the output of the infrared detector imaging the shutting means being closed and an output of the infrared detector imaging the second shutting means being closed.

4. (currently amended) ~~The infrared imaging device of claim 1~~ An infrared imaging device, comprising:
an infrared detector;
an optical system for causing an infrared radiation from an object to form an image on the infrared detector;
shutting means configured so that the shutting means can be opened/closed and so as to shut off an infrared radiation coming into the optical system when the shutting means is closed; and
correction means for correcting an output of the infrared detector,
wherein the correction means determines a second correction coefficient for correcting variations in a DC offset among pixels and fluctuations in an amount of infrared radiation from the optical system by using an output of the infrared detector imaging the shutting means while the shutting means is closed and a first correction coefficient proportional to a sensitivity of each pixel of the infrared detector and shading
wherein:

the infrared imaging device comprises temperature setting means for setting a temperature of the shutting means; and

the correction means determines the first correction coefficient by using an output of the infrared detector imaging the shutting means being closed, which has been set to a first temperature by the temperature setting means, and an output of the infrared detector imaging the shutting means being closed, which has been set to a second temperature by the temperature setting means.

5. (original) The infrared imaging device of claim 1, wherein:

the infrared imaging device comprises temperature measurement means for measuring a surface temperature of the shutting means; and

the correction means determines the correction coefficient by using a temperature measured by the temperature measurement means.

6. (cancelled)

7. (original) The infrared imaging device of claim 1, wherein the shutting

means is a flat-plate member having a uniform temperature distribution.

8. (currently amended) ~~The infrared imaging device of claim 1~~ An infrared imaging device, comprising:

an infrared detector;

an optical system for causing an infrared radiation from an object to form an image on the infrared detector;

shutting means configured so that the shutting means can be opened/closed and so as to shut off an infrared radiation coming into the optical system when the shutting means is closed; and

correction means for correcting an output of the infrared detector,

wherein the correction means determines a second correction coefficient for correcting variations in a DC offset among pixels and fluctuations in an amount of infrared radiation from the optical system by using an output of the infrared detector

imaging the shutting means while the shutting means is closed and a first correction coefficient proportional to a sensitivity of each pixel of the infrared detector and shading
wherein:

the infrared imaging device comprises temperature setting means for setting a temperature of the shutting means; and

the temperature setting means sets the temperature of the shutting means to a temperature in a vicinity of a temperature of a particular object to be imaged while the shutting means is closed.

9-18. (withdrawn)

19-21. (cancelled)

22. (new) The infrared imaging device of claim 3, wherein:

the infrared imaging device comprises temperature measurement means for measuring a surface temperature of the shutting means; and

the correction means determines the correction coefficient by using a temperature measured by the temperature measurement means.

23. (new) The infrared imaging device of claim 4, wherein:

the infrared imaging device comprises temperature measurement means for measuring a surface temperature of the shutting means; and

the correction means determines the correction coefficient by using a temperature measured by the temperature measurement means.

24. (new) The infrared imaging device of claim 8, wherein:
the infrared imaging device comprises temperature measurement means for measuring a surface temperature of the shutting means; and
the correction means determines the correction coefficient by using a temperature measured by the temperature measurement means.

25. (new) The infrared imaging device of claim 3, wherein the shutting means is a flat-plate member having a uniform temperature distribution.

26. (new) The infrared imaging device of claim 4, wherein the shutting means is a flat-plate member having a uniform temperature distribution.

27. (new) The infrared imaging device of claim 8, wherein the shutting means is a flat-plate member having a uniform temperature distribution.